

**Abstract**

The invention relates to a crystalline composition, a poly-crystalline product and an article of manufacture comprising an amount of  $\text{SiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{CaO}$ ,  $\text{Fe}_2\text{O}_3$ ,  $\text{TiO}_2$ ,  $\text{K}_2\text{O}$ ,  
5  $\text{P}_2\text{O}_5$ ,  $\text{Cr}_2\text{O}_3$ ,  $\text{ZnO}$ ,  $\text{MgO}$ ,  $\text{Na}_2\text{O}$ ,  $\text{Li}_2\text{O}$ ,  $\text{CeO}_2$ ,  $\text{ZrO}_2$  and  $\text{MnO}_2$  and methods for preparation the same.